

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. – 26. (Cancelled)

27. (Currently Amended) A plate material, comprising:
a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof; and

a substrate coating formed on a surface of the plate substrate with a corrosion resistant hydrophobic organic paint material ~~having affinity with respect to the substrate, the substrate coating being formed with a corrosion resistant paint material and made of a hydrophobic organic compound,~~

a rolling oil being used and remaining on the plate substrate,

a hydrophilic coating made of a hydrophilic paint material being provided on a surface of the substrate coating,

the corrosion resistant hydrophobic organic paint material including a coating film component,

the corrosion resistant hydrophobic organic paint material containing an alcohol-based solvent at a content of 1 to 10 wt%,

the coating film component being a two-component resin,

the corrosion resistant hydrophobic organic paint material having affinity with respect to both the plate substrate and the hydrophilic coating.

28. (Previously Presented) The plate material recited claim 27, wherein the paint material includes a hydrophobic organic paint material.

29. (Previously Presented) The plate material recited in claim 27, wherein

a surface tension of the paint material is equal to or greater than 25 and less than or equal to 35 dyn/cm.

30. (Cancelled)

31. (Previously Presented) The plate material recited in claim 27, wherein the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.

32. (Previously Presented) The plate material recited in claim 27, wherein the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.

33. (Previously Presented) The plate material recited in claim 27, wherein the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

34. (Cancelled)

35. (Previously Presented) The plate material recited in claim 27, wherein the hydrophilic paint material contains a volatile organic solvent.

36. (Previously Presented) A plate material recited in claim 27, wherein the surface of the substrate having the substrate coating has not been subjected to a chromic acid treatment.

37. (Previously Presented) The plate material recited in claim 27, wherein the surface of the substrate having the substrate coating has not been subjected to an oil removal treatment.

38. (Previously Presented) The plate material recited in claim 27, wherein the substrate is made of pure aluminum or an aluminum alloy.

39. (Previously Presented) A heat radiating fin of a heat exchanger including a plate material as recited in claim 27.

40. (Currently Amended) A plate material manufacturing method, comprising:

preparing a plate substrate being free of protrusions and depressions of submicron order oriented in a thickness direction thereof and having a rolling oil on a surface of the plate substrate;

forming a substrate coating on [[a]]the surface of the plate substrate with a corrosion resistant hydrophobic organic paint material having affinity with respect to the substrate, the substrate coating being formed with a corrosion resistant paint material and made of a hydrophobic organic compound; and

~~forming a coating film on the plate substrate that a rolling oil being used and remaining on the plate substrate; and~~

providing a hydrophilic coating on a surface of the substrate coating by applying a hydrophilic paint material,

the corrosion resistant hydrophobic organic paint material including a coating film component,

the corrosion resistant hydrophobic organic paint material containing an alcohol-based solvent at a content of 1 to 10 wt%,

the coating film being a two-component resin,

the corrosion resistant hydrophobic organic paint material having affinity with respect to both the plate substrate and the hydrophilic coating.

the paint material containing an alcohol-based solvent at a content of 1 to 10 wt%.

41. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material is a hydrophobic organic paint material.

42. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material has a surface tension of 25 dyn/cm to 35 dyn/cm.

43. (Cancelled)

44. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the paint material contains an alcohol-based solvent at a content of 1 to 5 wt%.

45. (Previously Presented) The plate material manufacturing method recited in claim 43, wherein

the alcohol-based solvent is made substantially of an alcohol having four or more carbon atoms.

46. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the viscosity of the paint material is equal to or greater than 5 Pa-s and less than or equal to 20 Pa-s.

47. (Cancelled)

48. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the hydrophilic paint material contains a volatile organic solvent.

49. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the corrosion resistant paint material is applied on the substrate that has not been subjected to a chromic acid treatment.

50. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the corrosion resistant paint material is applied on the substrate that has not been subjected to an oil removal treatment.

51. (Previously Presented) The plate material manufacturing method recited in claim 40, wherein

the substrate is made of pure aluminum or an aluminum alloy.

52. (Previously Presented) The plate material manufacturing method recited in claim 40, further comprising

forming the plate material into a heat radiating fin of a heat exchanger.